



National Transportation Safety Board Aviation Accident Final Report

Location:	Rochelle, IL	Accident Number:	GAA18CA401
Date & Time:	07/05/2018, 1500 CDT	Registration:	N6795Q
Aircraft:	Grumman G164	Aircraft Damage:	Substantial
Defining Event:	Miscellaneous/other	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot of the turbine-powered airplane reported that, during takeoff for an agricultural application flight, he failed to move the power lever from the ground idle position to the flight position. During takeoff, the airplane did not attain sufficient airspeed, aerodynamically stalled about 50 ft above the ground, impacted terrain, and came to rest inverted.

The airplane sustained substantial damage to the fuselage, both wings, and the empennage.

The pilot reported that there were no preaccident mechanical failures or malfunctions with the airplane that would have precluded normal operation.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

The pilot's failure to move the power lever to the proper position before takeoff, which resulted in insufficient airspeed and a subsequent aerodynamic stall.

Findings

Aircraft	Power lever - Incorrect use/operation (Cause) Airspeed - Not attained/maintained (Cause)
Personnel issues	Lack of action - Pilot (Cause) Use of equip/system - Pilot (Cause) Monitoring equip/instruments - Pilot (Cause)

Factual Information

History of Flight

Takeoff	Miscellaneous/other (Defining event) Aerodynamic stall/spin
Landing	Roll over

Pilot Information

Certificate:	Commercial	Age:	20, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	3-point
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 2 Without Waivers/Limitations	Last FAA Medical Exam:	03/26/2018
Occupational Pilot:	Yes	Last Flight Review or Equivalent:	02/23/2018
Flight Time:	(Estimated) 849 hours (Total, all aircraft), 10 hours (Total, this make and model), 700 hours (Pilot In Command, all aircraft), 150 hours (Last 90 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Grumman	Registration:	N6795Q
Model/Series:	G164 B	Aircraft Category:	Airplane
Year of Manufacture:	1976	Amateur Built:	No
Airworthiness Certificate:	Restricted	Serial Number:	306B
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	Annual	Certified Max Gross Wt.:	4500 lbs
Time Since Last Inspection:		Engines:	1 Turbo Prop
Airframe Total Time:		Engine Manufacturer:	Honeywell
ELT:	Not installed	Engine Model/Series:	Garrett
Registered Owner:	Hendrickson Flying Service Inc	Rated Power:	720 hp
Operator:	Hendrickson Flying Service Inc	Operating Certificate(s) Held:	Agricultural Aircraft (137)

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	KRPJ, 781 ft msl	Distance from Accident Site:	8 Nautical Miles
Observation Time:	2055 UTC	Direction from Accident Site:	246°
Lowest Cloud Condition:	Scattered / 3300 ft agl	Visibility	10 Miles
Lowest Ceiling:	Broken / 9000 ft agl	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	None / None
Wind Direction:	340°	Turbulence Severity Forecast/Actual:	N/A / N/A
Altimeter Setting:	30.26 inches Hg	Temperature/Dew Point:	31° C / 24° C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Rochelle, IL (IL93)	Type of Flight Plan Filed:	None
Destination:	Rochelle, IL (IL93)	Type of Clearance:	None
Departure Time:	1500 CDT	Type of Airspace:	Class G

Airport Information

Airport:	HENDRICKSON FLYING SERVICE (IL93)	Runway Surface Type:	Grass/turf
Airport Elevation:	889 ft	Runway Surface Condition:	Dry; Vegetation
Runway Used:	S	IFR Approach:	None
Runway Length/Width:	2800 ft / 200 ft	VFR Approach/Landing:	None

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	41.943889, -88.924444 (est)

Administrative Information

Investigator In Charge (IIC):	Kathryn R Benhoff	Report Date:	03/18/2019
Additional Participating Persons:	Kurt Stiefel; FAA; DuPage, IL		
Publish Date:	03/18/2019		
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.ntsb.gov/pubdms/search/dockList.cfm?mKey=97698		

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